AMENDMENTS TO THE CLAIMS

Please cancel claims 21-59 and add claims 60-62 as indicated among the following complete set of pending claims:

1. (Original) A fire door system, comprising:

a controller;

a rollable door;

an input drive for moving the door;

a clutch connected to the input drive and operatively connected to the controller.

2. (Original) The fire door system of claim 1, further comprising:

an axle supporting the rollable door;

at least one gear connected to the input drive; and

wherein the gear is rotatably connected to the axle yet fixable to the axle by the clutch.

3. (Original) The fire door system of claim 1, further comprising an axle driveably connected to the input drive and rollably supporting at least a portion of the door, the axle rollably receiving and feeding out sections of the rollable door.

- 4. (Original) The fire door system of claim 1, further comprising a position limit mechanism connected to the axle, the position limit mechanism registering the position of the door and feeding back data representing the position to the controller.
- 5. (Currently amended) The fire door system of claim 1, wherein the input drive comprises [[comprising]] a hand crank hoist connected to the axle for manually moving the door by operating the hand crank hoist.
- 6. (Original) The fire door system of claim 6, wherein the hand crank hoist has an engaged condition and a non-engaged condition, the system further comprising a hand crank sensor operatively connected to the controller and feeding back a signal to the controller indicating that the hand crank hoist is in at least one of the engaged and the non-engaged positions.
- 7. (Original) The fire door system of claim 1, further comprising a plurality of alarm modes.
- 8. (Original) The fire door system of claim 7, further comprising a hazardous environment sensor connected to the controller, wherein the hazardous environment sensor feeds a signal back to the controller when a hazard is detected in a space to which the fire door system is pertinent and the controller places the system in a first of the plurality of alarm modes.

- 9. (Original) The fire door system of claim 7, further comprising a clutch failure sensor connected to the clutch, wherein the clutch failure sensor feeds a signal back to the controller when the clutch fails and the controller places the system in a second of the plurality of alarm modes.
- 10. (Original) The fire door system of claim 7, wherein the controller and clutch are adapted to be connected to a primary power source, the system further comprising a primary power loss sensor connected to the controller, wherein the primary power loss sensor feeds back a signal to the controller when the primary power is lost and the controller places the system in a third of the plurality of alarm modes.
 - 11. (Original) The fire door system of claim 7, further comprising:

 a secondary power source connected to the controller and to the clutch;

 a secondary power failure sensor connected to the controller; and

wherein the secondary power failure sensor feeds a signal back to the controller when the secondary power fails and the controller places the system in a fourth of the plurality of alarm modes.

12. (Original) The fire door system of claim 7, further comprising a safety sensor comprising one of an electrical, an optical, and an electro-mechanical device connected to the controller, wherein the safety sensor feeds a signal back to the controller when the safety sensor detects an obstruction in a path of the rollable door and the controller places the system in a fifth of the plurality of alarm modes.

- 13. (Original) The fire door system of claim 7, further comprising at least one audio alert connected to the controller, the audio alert being actuated when the alarm mode has been initiated.
- 14. (Original) The fire door system of claim 7, further comprising at least one visual alert connected to the controller, the visual alert being actuated when the alarm mode has been initiated.
- 15. (Original) The fire door system of claim 1, wherein the input drive further comprises a motor, the system further comprising a plurality of alarm modes.
- 16. (Original) The fire door system of claim 15, further comprising a motor failure sensor connected to the motor, wherein the motor failure sensor feeds a signal back to the controller when the motor fails and the controller places the system in a sixth of the plurality of alarm modes.
- 17. (Original) The fire door system of claim 15, further comprising a spring failure sensor connected to a line feed of the motor, wherein the spring failure sensor feeds a signal back to the controller when a load on the motor exceeds a predetermined maximum and the controller places the system in a seventh of the plurality of alarm modes.

18. (Original) The fire door system of claim 15, further comprising an interface device for

positively controlling the door, the interface device comprising:

an open button for placing the door in a moving up mode;

a close button for placing the door in a moving down mode;

a stop button for placing the door in a stopped mode; and

wherein the stop button is a momentary switch that stops the door while the button is pressed and returns the system to the immediately previous mode when the stop button is released.

- 19. (Original) The fire door system of claim 1, further comprising a reset switch that is automatically actuated when the door reaches a fully opened position, wherein the reset switch sends a signal to the controller and changes a state of the system from an alarm mode to a regular operational mode.
- 20. (Original) The fire door system of claim 1, further comprising a manual alarm switch operatively connected to the controller and by which the system can be manually placed in a first alarm mode for testing the system.

Claims 21-59. (Canceled)

Claim 60. (New) The fire door system of claim 1, further comprising:

a clutch failure sensor operatively connected to the clutch and the controller; and
an audio and/or visual alert mechanism connected to the controller, the audio and/or
visual alert mechanism being activated in response to a signal from the clutch failure sensor
to the controller;

wherein the controller is configured to establish a clutch failure alarm condition in response to the signal.

Claim 61. (New) The fire door system of claim 1, wherein the controller is configured to:

enter an alarm condition when loss of primary power is detected; and disengage the clutch in pulses and thereby permit the door to fall in controlled increments until the door is completely closed.

Claim 62. (New) The fire door system of claim 1, wherein:

the input drive comprises each of a motor and a hand crank hoist;

the system further comprising a sensor that is actuated when the hand crank hoist is engaged, wherein:

the sensor sends a signal to the controller;

the controller is configured to establish an alarm condition in response to the signal; and

the controller operates the clutch instead of the motor during an alarm condition when the hand crank hoist remains engaged.